



Europass Curriculum Vitae

Personal information

First name / Surname

Eleonora Ciccotti

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Nationality

Italian

Date of birth

04/07/1961

Gender

Female

Occupational field

Biologist: research, education

Work experience

Date

2000-present

Occupation or position held

Senior Researcher (sector BIO/07: Ecology)

Main activities and responsibilities

Applied research in the field of aquatic ecology, fish ecology, fisheries (Collaborations and Scientific Responsible of Research Projects at the national level –Ministry of Research, Ministry of Agriculture, and international level)

Teaching: courses of Fisheries Biology and Aquaculture (First Level Laurea in Biological Sciences), Applied ecology (Second Level Laurea in Ecology, second level laurea in Biotechnology –in Italian and in english).

Training and tutoring of students for their thesis (First and second level Laurea) and tutoring of Ph D students in Ecology, Evolutionary Biology, Fisheries.

Name and address of employer

Università degli Studi di Roma "Tor Vergata", via della Ricerca Scientifica snc, 00133, Rome, Italy

Date

1991-2000

Occupation or position held

Technician

Main activities and responsibilities

Responsible of management and research carried out at the experimental plant, Applied Ecology and Aquaculture Lab, Department of Biology

Name and address of employer

Università degli Studi di Roma "Tor Vergata", via della Ricerca Scientifica snc, 00133, Rome, Italy

Date

1988-1998

Occupation or position held

Biologist, free lancer

Main activities and responsibilities

Biologist working within national and international (Europe, Africa) projects for aquaculture and fisheries development

Name and address of employer

A.G.E.I., Soc. Coop. a.r.l. , via Carlo Emanuele 111, Rome, Italy

Education and training

Date

1980

Title of qualification awarded

Diploma di Maturità Classica

Name and type of organisation providing education and training	Liceo Classico "Tito Lucrezio Caro"
Level in national or international classification	Secondary (High School)
Date	1988
Title of qualification awarded	Laurea <i>cum laude</i> - Biological Sciences
Name and type of organisation providing education and training	Università degli Studi di Roma "La Sapienza"
Level in national or international classification	Second level University degree
Personal skills and competences	
Mother tongue	Italian
Other languages	French, English
Self-assessment	
Language	French: C2 level in listening, reading, C2 in speaking and writing
Language	English: C2 level in listening, reading; C2 in speaking and writing.
Social skills and competences	In almost twenty years of professional activity, EC has developed: • Proven ability to co-operation in the scientific and professional field • Experience in interacting with public administrations and stakeholders • Good communication skills, both formal and informal • Experience in teaching both in academia and in other contexts • Ability to communicate in a multicultural context
Organisational skills and competences	Within the private and public professional life, EC has shown: • Ability to manage working groups (gained both in the professional context and the scientific context) • Ability to work in coordinated projects (research projects and / or public and private services) • Organizational skills in human resource management and logistics • Experience in drafting and management of research projects and service activities
Technical skills and competences	Routine skills in the use of laboratory equipment (balances, automatic burettes, fluorimeter, spectrophotometer, etc.), competence in microscopy, photography and video recording in analog format (including developing and printing) and digital use of field instrumentation (current meters, CTD probes, sensors and accessories, etc.). Established competence in field activities for limnology and marine biology (water samplings, phyto and zooplankton samplings, benthic samples collection, etc.). Established competence in the field of aquaculture of FW and eurhyaline species (breeders capture and maintenance, induced reproduction, larval rearing, fattening) Established competence in the field of fisheries (artisanal, rural and small scale inland, coastal and lagoon fisheries: fishing techniques, interactions with fishermen and Administrations, advising, data collection, resource assessment, socio-economical assessments).
Computer skills and competences	Established competence in the use of all applications in use for office needs and those of specialist use (CAD, computing, graphics, photo editing, video editing, etc.), data management (Excel, Access, Lotus) and statistical applications (PAST, Statistica, R-packages .), excellent knowledge of Microsoft Windows and MS-DOS, ability to develop Web sites and pages (Java applets and Javascript), interfacing and control of technical instrumentation.

Other skills and competences

EC has participated as a **fisheries expert** in working groups of the Ministry of Agriculture, Food and Forestry (working groups "Specialist fisheries" "Anguilla anguilla fisheries"). She has coordinated the preparation of the Italian National Plan for Eel Management according to CE Regulation 1100/2008 establishing measures for the recovery of the eel stock. She is at present implementing the Modules on Eel Fisheries Data Collection according to CE Regulation 199/2008. She is at present following the implementation of the Eel National Management Plan in Italy, of some Eel Regional Plans (also through some projects of the EFF- European Fisheries Funds). She is also at present responsible for the eel stock evaluation to be performed as requested by article 9 of the Eel Regulation 1100/2008 in Italy (2012, 2013, 2014, 2015), on request of the Fisheries Directorate of the Italian Ministero delle Politiche Agricole Alimentari e Forestali.

She has participated, invited on several occasions by the European Commission, Directorate General Fisheries (Conservation Policy Unit - Management of stocks) or sent on behalf of the Italian Government, to meetings of Experts for the Control of Fishing, on the measures for the conservation of the eel, and the work of subgroups of STECF (Scientific, Technical and Economical Committee of the European Commission) and SGMED (Subgroup on Mediterranean, for the evaluation of the shared resources of the Mediterranean Sea Eel assessment SG) and FAO GFCM (General Fisheries Commission for the Mediterranean).

She has been nominated Italy National Focal Point in EIFAAC (European Inland Fisheries and Aquaculture Advisory Commission) since 200.

She is National Correspondent for Italy within the ICES EIFAAC Working Group on Eel since 1997. To the ICES Working Group on Eel she has participated also as an eel expert, giving her contribution also to the evaluation of Eel Management Plans by ICES in 2008.

She is currently supporting the FAO General Fisheries Commission for the Mediterranean in the setting up of a Pilot Action for the Eel in the Mediterranean area, with the aim to establish a Regional Framework for the management of this shared resource at the regional level.

EC also has an established expertise in the field of organic agriculture gained in a family business that she manages for her family in Tuscany. Her competences deal with viticulture (grape growing, conventional and organic agriculture treatments, pruning, harvesting, wine preparation, winery management activities); olive culture (conventional and biological agriculture treatments, pruning, harvesting, olive oil preparation), agricultural enterprise management. This expertise she also spends in many collaborations on volunteer projects with ONG in Italy and abroad.

Annexes

Annex I: Research Projects participation and coordination (2009-2017)

Annex III: list of recent publications (2004-2017)

Annex I: Relevant Research Projects participation and coordination (2009-2017)

2009-2017 Data Collection Framework - Programma Nazionale di Raccolta Dati : raccolta, gestione e l'uso dei dati nel settore della pesca ai sensi del Reg. (CE) n. 199/2008 del Consiglio del 25 febbraio 2008

2014-2016 Responsabile scientifico del Progetto di Ricerca "Valutazione della funzionalità dei laghi costieri come siti di restituzione di riproduttori di specie ittiche eurialine, attraverso lo studio delle comunità ittiche e l'analisi della risposta ecosistemica alle pressioni ambientali"

Ministero delle Politiche Agricole Alimentari e Forestali - Dipartimento delle Filiere Agricole ed Agroalimentari - Direzione Generale per la Pesca Marittima e l'Acquacoltura - Area tematica A: Valutazione delle Risorse Biologiche - A3 – Piani di Gestione

2011-2014 Responsabile Scientifico del Progetto di ricerca "Valutazione dello stato della risorsa anguilla in Italia per il rapporto 2012 previsto dal Regolamento 1100/2007" Ministero delle Politiche Agricole Alimentari e Forestali - Dipartimento delle Filiere Agricole ed Agroalimentari - Direzione Generale per la Pesca Marittima e l'Acquacoltura - Area tematica A: Valutazione delle Risorse Biologiche

2011-2013 Data Collection Framework - Partecipazione al Programma Nazionale di Raccolta Dati : raccolta, gestione e l'uso dei dati nel settore della pesca ai sensi del Reg. (CE) n. 199/2008 del Consiglio del 25 febbraio 2008 Triennio 2011-2013

2009-2011 Responsabile Scientifico dell'Unità Operativa Tpr Vergata nell'ambito del di Ricerca Scientifica di Rilevante Interesse Nazionale (D.M. 19 marzo 2010 n. 51) PRIN - Anno 2009 "APPROCCI INTEGRATI ALLA VALUTAZIONE DELLO STATO ECOLOGICO E ALLA GESTIONE ALIEUTICA DEGLI ECOSISTEMI ACQUATICI DI TRANSIZIONE - Approccio ecosistemico alla gestione di ambienti lagunari: il caso delle lagune Pontine (Lazio, Italia)" (Ministero dell'Istruzione, dell'Università e della Ricerca).

2009-2010 Data Collection Framework - Partecipazione al Programma Nazionale di Raccolta Dati : raccolta, gestione e l'uso dei dati nel settore della pesca ai sensi del Reg. (CE) n. 199/2008 del Consiglio del 25 febbraio 2008 Biennio 2009-2010

2008-2009 Responsabile Scientifico del Progetto di ricerca "Indagine finalizzata alla costituzione di una base conoscitiva per l'elaborazione di un Piano di Gestione Nazionale della risorsa *Anguilla anguilla* - Unità Operativa 2 - Individuazione degli elementi distintivi per la elaborazione del piano, ai fini della gestione dello stock della specie e della sua conservazione" Ministero delle Politiche Agricole Alimentari e Forestali - Dipartimento delle Filiere Agricole ed Agroalimentari - Direzione Generale per la Pesca Marittima e l'Acquacoltura - Area tematica A: Valutazione delle Risorse Biologiche

Annex II: list of recent publications (2004-2017)

Papers on peer-reviewed journals

Capoccioni F., Contò M., Failla S., Cataudella S. & E. Ciccotti (2017). Fatty Acid Profiles of Migrating Female Silver Eel from Mediterranean Coastal Lagoons as Integrative Descriptors of Spawners Biological Quality. Submitted for publication to Estuarine, Coastal and Shelf Science.

Bornarel V., Lambert P., Briand C., Belpaire C., Ciccotti E., Diaz E., Domingos I., Evans D., de Graaf M., O'Leary C., Pedersen M., Poole R., Walker A., Wickstrom H., Beaulaton L., and H. Drouineau (2017). Modelling the recruitment of European eel (*Anguilla anguilla*) throughout its European range ICES Journal of Marine Science (2017), doi:10.1093/icesjms/fsx18

Capoccioni F, Costa C. & E. Ciccotti (2016). Suitability of Empirical Method for the Management of the Critically Endangered European Eel: Skin Colour Changes As Descriptor Of Migrating Silver Eel Stage. Global Journal of Advanced Research, Vol 3, Issue 7: 552-559.

Leone, C., Zucchetto, M., Capoccioni, F., Gravina, M. F., Franzoi, P., & Ciccotti, E. (2016). Stage-specific distribution models can predict eel (*Anguilla anguilla*) occurrence during settlement in coastal lagoons. Estuarine, Coastal and Shelf Science, 170:123-133. doi: 10.1016/j.ecss.2016.01.005 ,

Aalto, E., Capoccioni, F., Terradez Mas, J., Schiavina, M., Leone, C., De Leo, G.A. and E. Ciccotti, 2015. Quantifying sixty years of declining European eel (*Anguilla anguilla* L., 1758) fishery yields in Mediterranean coastal lagoons. ICES Journal of Marine Science Advance Access published May 8, 2015, doi:10.1093/icesjms/fsv084.

Tancioni, L., Caprioli, R., Dawood Al-Khafaji, A.H., Mancini, L., Boglione, C., Ciccotti, E., (2015). Gonadal Disorder in the Thinlip Grey Mullet (*Liza ramada*, Risso 1827) as a Biomarker of Environmental Stress in Surface Waters. DOI:doi:10.3390/ijerph120201817. pp.1817-1833. In INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH - ISSN:1661-7827 (12)

Capoccioni, F., Lin, D.-Y., Iizuka, Y., Tzeng, W.-N., & Ciccotti, E. (2014) Phenotypic Plasticity In Habitat Use And Growth Of The European Eel (*Anguilla Anguilla*) In Transitional Waters In The Mediterranean Area. Ecology Of Freshwater Fish 23(1), 65–76. (If: 1.573)

- Pujolar, J. M., Milan, M., Marino, I. A. M., Capoccioni, F., Ciccotti, E., Belpaire, C., Maes, G. E. (2013). Detecting Genome-Wide Gene Transcription Profiles Associated With High Pollution Burden In The Critically Endangered European Eel. *Aquatic Toxicology* (Amsterdam, Netherlands), 132-133, 157–64. (If: 4.225)
- Ciccotti, E., Leone, C., Bevacqua, D., De Leo, G., Tancioni, L., & Capoccioni, F. 2012. Integrating Habitat Restoration And Fisheries Management : A Small-Scale Case-Study To Support Eel Conservation At The Global Scale. *Knowledge And Management Of Aquatic Ecosystems*, (407), 04. (If: 1.520)
- Quadroni, S., Galassi, S., Capoccioni, F., Ciccotti, E., Grandi, G., Leo, G. A. De & Bettinetti, R. 2013. Contamination, Parasitism And Condition Of *Anguilla Anguilla* In Three Italian Stocks. *Ecotoxicology* 22(1), 94–108. (If: 2.355)
- Pujolar, J. M., Marino, I. A., Milan, M., Coppe, A., Maes, G. E., Capoccioni, F., Ciccotti, E., Et Al. 2012. Surviving In A Toxic World: Transcriptomics And Gene Expression Profiling In Response To Environmental Pollution In The Critically Endangered European Eel. *Bmc Genomics*, 13(1), 507. (If: 4.070)
- Ciccotti, E., Capoccioni, F., Tancioni, L. 2012. *Anguilla Anguilla* In: Iucn 2012. Iucn Red List Of Threatened Species. Version 2012.
- Bevacqua D., Capoccioni F., Melià P., Vincenzi S., Pujolar J.M., De Leo G.A. And Ciccotti E. Fishery-Induced Selection For Slow Somatic Growth In European Eel 2012. *Plos One* 7(5): E37622. (If: 4.411)
- Pujolar, J.M., Bevacqua, D., Andrelo, M., Capoccioni, F., Ciccotti, E., De Leo, G.A., Zane, L., 2011. No Apparent Genetic Bottleneck In The Demographically Declining European Eel Using Molecular Genetics And Forward-Time Simulations. *Conservation Genetics*. 1-13. (If: 1.849)
- Belpaire C., Geeraerts C., Evans D., Ciccotti E. & R. Poole, 2011. The European eel quality database: towards a pan-European monitoring of eel quality. *Environ. Monit. Assess., in press*. DOI 10.1007/s10661-011-1920-2
- Pujolar, J.M., Bevacqua, D., Andrelo, M., Capoccioni, F., Ciccotti, E., De Leo, G.A., Zane, L., 2011. Genetic patchiness in European eel adults evidenced by molecular genetics and population dynamics modelling, *Molecular Phylogenetics and Evolution*, 58 (2): 198-206.
- Bettinetti, R., Galassi, S., Quadroni S., Volta P., Capoccioni, F., Ciccotti, E., De Leo, G.A., 2010. Use of *Anguilla anguilla* for biomonitoring persistent organic pollutants (pops) in brackish and riverine waters in central and southern Italy. *Water, Air, & Soil Pollution*, in press. doi: 10.1007/s11270-010-0590-y
- Capoccioni, F., Costa, C., Aguzzi, J., Menesatti, P., Lombarte, A., & Ciccotti, E. 2010. Ontogenetic and environmental effects on otolith shape variability in three mediterranean European eel (*Anguilla anguilla*, L.) local stocks. *Journal of Experimental Marine Biology and Ecology*. 397(1), 1-7.
- Pujolar, J.M., Bevacqua, D., Capoccioni, F.; Ciccotti, E., De Leo, G.A., Zane, L., 2009. Genetic variability is unrelated to growth and parasite infestation in natural populations of the European eel (*Anguilla anguilla*). *Molecular Ecology* 18(22): 4604 – 4616.
- Pujolar J. M., De Leo G. A., Ciccotti E., Zane L. (2009). Genetic Composition of Atlantic and Mediterranean recruits of European eel based on EST-linked microsatellite loci. *Journal of Fish Biology*, 74 (9): 2034–2046.
- Briand, C., Fatin, D., Ciccotti E., E. Lambert, P. (2005). A stage-structured model to predict the effect of temperature and salinity on glass eel *Anguilla anguilla* pigmentation development. *Journal of Fish Biology*, 67: 993-1009.
- Ciccotti E. 2005. Interactions between capture fisheries and aquaculture: the case of the eel (*Anguilla anguilla* L., 1758). In: "Interactions between Capture Fisheries and Aquaculture: a methodological perspective", Cataudella S., Massa F. & D. Crosetti Eds, Studies and Reviews, General Fisheries Commission for the Mediterranean. N. 78, Rome, FAO, 2005: 190-203.
- Scardi M., S. Cataudella, E. Ciccotti, P. Di Dato, G. Maio, E. Marconato, S. Salviati, L. Tancioni, P. Turin & M. Zanetti, 2004. Previsione della fauna ittica mediante reti neurali artificiali. *Biologia Ambientale*, 18 (1): 25-31.
- Ciccotti E., M. Monfrinotti, A. Furlani & S. Cataudella, 2004. Monitoraggio del reclutamento di anguilla (*Anguilla anguilla* L. 1758) tramite osservatori. *Biologia Ambientale*, 18 (1): 197-200.

Monografie, capitoli di libro, reports

Capoccioni F., Ciccotti E., Scalchi E., Leone C., Cataudella S. (2017) - *Anguilla anguilla*. *Biol. Mar. Mediterr.*, 24 (Suppl. 1): 165-176. In: "Sintesi delle conoscenze di biologia, ecologia e pesca delle specie ittiche dei mari italiani - Synthesis of the knowledge on biology, ecology and fishery of the halieutic resources of the italian seas", a cura di P. Sartor, A. Mannini, R. Carlucci, E. Massaro, S. Queirolo, A. Sabatini, G. Scarcella, R. Simoni, volume speciale di *Biologia Marina Mediterranea* 24 (s1) 2017, 608 pagine.

Capoccioni F., Leone C. & E. Ciccotti (2015). European eel (*Anguilla anguilla*, Linnaeus, 1758) ageing from otoliths. In: "Handbook For Fish Age Determination - Theory and Practice in the Italian Data Collection Framework context", Società Italiana di Biologia Marina, Febbraio 2015, 218 pagine, pp. 178-186.

Cataudella S., Crosetti D., Ciccotti E., Massa F. (2015). Sustainable management in Mediterranean coastal lagoons: interactions among capture fisheries, aquaculture and environment, 7-49. In Cataudella S., Crosetti D., Massa F. (eds). Mediterranean coastal lagoons: sustainable management and interactions among aquaculture, capture fisheries and the environment. Studies and Reviews. General Fisheries Commission for the Mediterranean. No 95. Rome, FAO. 2015. 278 pp.

Ciccotti E. (2015). Italy Country Report, 116-156. In Cataudella S., Crosetti D., Massa F. (eds). Mediterranean coastal lagoons: sustainable management and interactions among aquaculture, capture fisheries and the environment. Studies and Reviews. General Fisheries Commission for the Mediterranean. No 95. Rome, FAO. 2015. 278 pp.

Ciuffa, D. & Ciccotti, E. (2011). Nutrients and fish effects on plankton community in shallow lakes. A mesocosm study for the understanding of eutrophication in freshwater ecosystems. LAP Lambert Academic Publishing GmbH & Co., Saarbrücken, Germany, 211 pp.

Manzo, C, Scalchi, E, Fusari, A, Ciccotti E., E (2006). Struttura e dinamiche spazio-temporali delle comunità ittiche di due laghi costieri del Parco Nazionale del Circeo. In: Zerunian S. ed. Pesci e pesca nei laghi costieri., volume a cura del Parco Nazionale Del Circeo, pp. 143-165.

Manzo, C, Lupini, G, Gravina, M.F, Ciccotti E., E (2006). Relazioni trofiche tra le specie ittiche residenti in tre laghi costieri del parco nazionale del Circeo. In: Zerunian S. ed., . Pesci e pesca nei laghi costieri, volume a cura del Parco Nazionale Del Circeo, pp. 167-190.

Ciccotti E., (2006). Il caso dell'anguilla europea, tra gestione e conservazione. In: Zerunian S. ed. Pesci e pesca nei laghi costieri., volume a cura del Parco Nazionale del Circeo, pp. 125-142.

Scardi M., S. Cataudella, E. Ciccotti, P. Di Dato, G. Maio, E. Marconato, S. Salviati, L. Tancioni, P. Turin & M. Zanetti, 2005. Optimization of artificial neural networks for predicting fish assemblages in rivers, In: *Modelling community structure in freshwater ecosystems*, eds S. Lek, M. Scardi, P. Verdonchot & YS Park, Springer-Verlag, 89-122.

Ciccotti E. (2005). Interactions between capture fisheries and aquaculture: the case of the eel (*Anguilla anguilla* L., 1758). In Cataudella S., Massa F. D. Crosetti Eds "Interactions Between Capture Fisheries And Aquaculture: A Methodological Perspective" Studies and Reviews, General Fisheries Commission for the Mediterranean, Vol. 78, pp. 190-203.